

Case study

Rear seat install

Rebalancing the line with the Power Focus 6000

Atlas Copco

The Challenge

1 2 3 4

Our customer had two main issues – they were over budget and their rear-seat install required bolts to be tightened to a higher torque to meet quality standards. With limited access, a one-handed tool would improve operator comfort and efficiency. However, the torque exceeded that which could be safely applied one-handed. A reaction device would be cumbersome, increase expense and reduce productivity by creating a bottleneck. The customer also wanted to eliminate pulse tools – with no error-reporting there was a real risk of cross-threading, leading to further reworks, delays and expense.



The customer was over budget and their rear-seat install was causing a bottleneck.

The Solution

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We recommended the Power Focus 6000 and Tensor STR tool. With its unique TurboTight® technology, this tightening solution was able to virtually eliminate the risk of cross-threading. The tool could also safely be used one-handed, removing the need for reaction devices. Accuracy, productivity and operator safety and comfort could all be improved – all at a lower cost. We demonstrated it to tech center and plant personnel, performing a one-handed rundown at 90Nm. Integration into the customer's legacy software was also achieved without difficulty.



Unique TurboTight® technology reduces cross-threading and eliminates need for reaction devices.

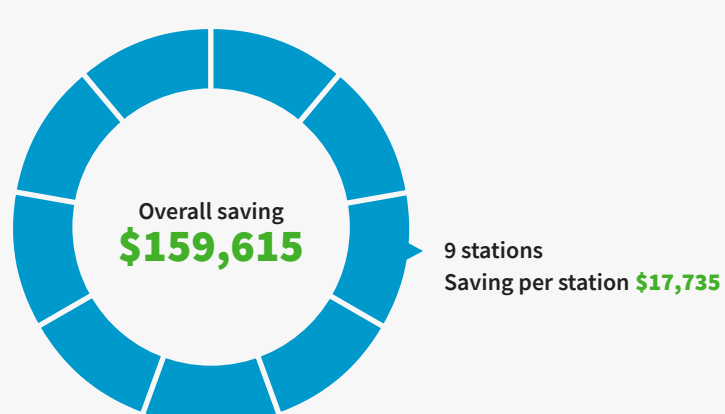
The Business Justification

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The reaction device solution was not just clumsy – it was also expensive. The Power Focus 6000 and Tensor STR with TurboTight®, on the other hand, represented significant savings.



With bottlenecks removed, the line could be rebalanced, increasing productivity.



Greater speed and efficiency meant the line could be rebalanced, removing bottlenecks and increasing productivity. By eliminating pulse tools and applying our TurboTight® technology, ergonomics could be improved, leading to greater operator comfort. Real-time error reporting reduced reworks due to cross-threading, saving further costs.

The Validation

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We revisited the customer and confirmed that the bottleneck issue had been solved, freeing up operators for other tasks. Cost of implementation had been significantly reduced and speed of install was radically improved. The customer's Health and Safety department were also happy with the improved ergonomics that the Tensor STR and TurboTight® combination offered. The unique capability of the Power Focus 6000's Virtual Stations has also option-proofed the customer's production line, allowing them the option of adding further wireless tools in the future.



Power Focus 6000's Virtual Stations future proof the production line.